

Amendments to the Specification:

Please add the following new paragraph after paragraph [0023] on page 4, lines 6-8:

[0023.1] FIG. 14 illustrates multi-functional wheel systems connected to various vehicles in accordance with an embodiment of the invention.

Please replace paragraph [0023], page 4 lines 15-29 and page 5 lines 1-9 with the following amended paragraph

[0023] FIG. 1 illustrates multi-functional wheel systems connected to a mobile vehicle, such as a portable shopping cart. A standard shopping cart 100 includes a front wall 103, a back wall 105, a left side wall 107, a right wall 109, a handle 111, a bottom support wall 113, front wheels 115 and 117, right side extended shaft 119, a left side extended shaft 121, a basket 127 and multi-functional wheel systems 123 and 125. Walls 103, 105, 107, 109 and bottom support wall 113 are coupled to each other to form the basket 127. This typical basket 127 is supported by the bottom support section 113. Located at the left side and right side of the bottom support section 113 are extended shafts 119 and 121. A top portion of the shafts 119 and 121 are connected to the handle 111, which directs the forward, upward, downward and backward movement of shopping cart 100. In order for the cart 100 to be maneuvered, front wheels 115 and 117 are connected to a bottom portion of extended shafts 119, 121 [and front wheels 115 and 117]. In addition, a bottom portion of back wall 105 and bottom support wall 113 are connected to multi-functional wheel systems 123 and 125. Multi-functional wheel systems 123 and 125 are used instead of typical back wheels of a shopping cart in order to provide for the simple maneuverability of the cart 100. Even though a cart is utilized in connection with the multi-functional wheel systems 123 and 125, this cart [may] 100 may be replaced with any type of device that utilizes wheels, such as a stroller, skateboard, bicycle, automobile, truck, scooter, luggage case, golf-cart, wheelchair etc as shown in FIG. 14. Further, the wheel systems 123 and 125 may be utilized as wheels

for pianos, refrigerators, furniture etc. Also, the wheel systems 123 and 125 may be utilized in place of either or both wheels 115 and 117.

Please replace the paragraph before paragraph [0024] on page 5, lines 10-17 with the following amended paragraph:

[A mobile vehicle] Cart 100 may utilize [one, two,] three, four or more wheels on wheel systems as shown in FIGs. 12 and 13. FIG. 12 illustrates the multi-functional wheel system of FIG. 1 whereby the wheel system utilizes three wheels instead of four wheels. Wheel system 125 of FIG. 12 includes all of the components of FIG.1, which are not recited herein, except for the fourth wheel. FIG. 13 also illustrates the multi-functional wheel system of FIG. 1 whereby the wheel system utilizes five wheels instead of four wheels. Wheel system 123 of FIG. 13 includes all of the components of Fig. 1 that are not recited, but also includes the fifth wheel.

Please replace paragraph [0027] with the following amended paragraph:

[0027] Curvature portions 127a-d and 129a-d are formed from an arc of an eleven-inch diameter circle, which is offset at six inches from at least one of the wheels 123a, 123b, 123c and 123d and 125a, 125b, 125c and 125d respectively [a center of gravity] of the wheel systems 123 and 125 to an actual center of the wheel systems 123 and 125. This distance of six inches between at least one of the wheels 123a, 123b, 123c and 123d and 125a, 125b, 125c and 125d and the center of the wheel systems 123 and 125 is referred to as a center of gravity. The arc of the curvature portions 127a-d and 129a-d has an angle in the range of zero to seventy-five degrees as shown in FIG. 3. Preferably, the arc of the curvature portions 127a-d and 129a-d has an angle of forty-five degrees. The arc angle of curvature portions 127a-d and 129a-d enable the cart to be easily maneuverable to traverse or slide over any type of surface, such as a descending surface, an ascending surface, a bumpy surface, a rough surface etc. When the curvature portion 127a and 129a contacts the step 203 of stair 201, these curvature portions assists in the ascension of the cart 100 up the stair. Curvature portions 127a and 129 aids in the ascension of the cart

100 when the curvature portion 127a and 129a contacts step 203 at less than ninety degrees from a horizontal surface of the step 203. By enabling the cart 100 to contact step 203 at less than ninety degrees the amount of energy required by a person to pull the cart 100 up stair 201 is reduced in comparison with the level or amount of energy required by a person to pull a typical cart back wheel up stair 201.

Please replace the Abstract of Disclosure with the following amended paragraph as follows:

The present invention provides a wheel system. This wheel system includes a plurality of wheels. The plurality of wheels are connected to a base, where the base has a plurality of curvature portions. The curvature portions include indentations. The curvature portions are formed from an arc of an eleven-inch diameter circle, where the curvature portion is offset at six inches from the plurality of wheels to a center of the wheel system.